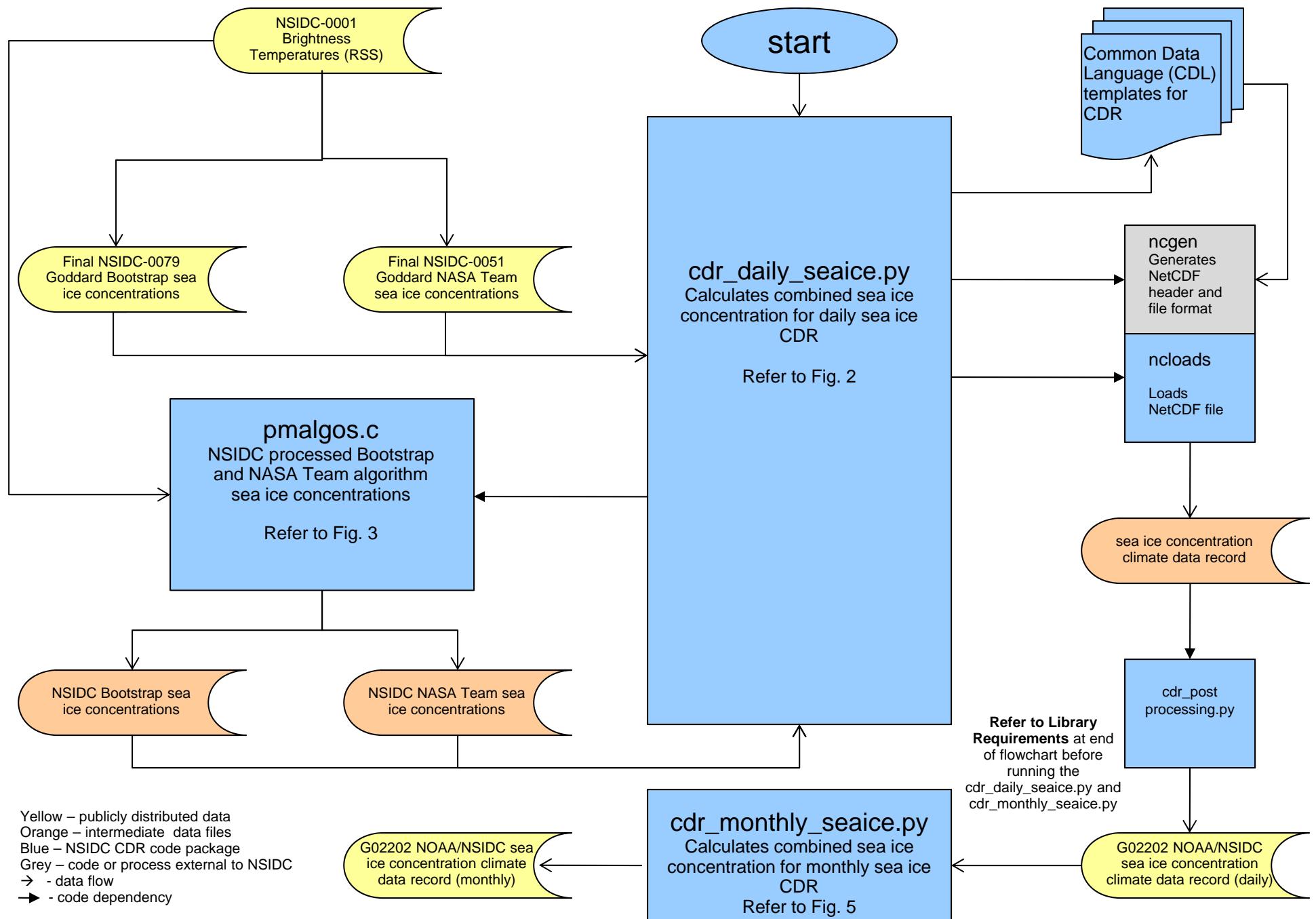
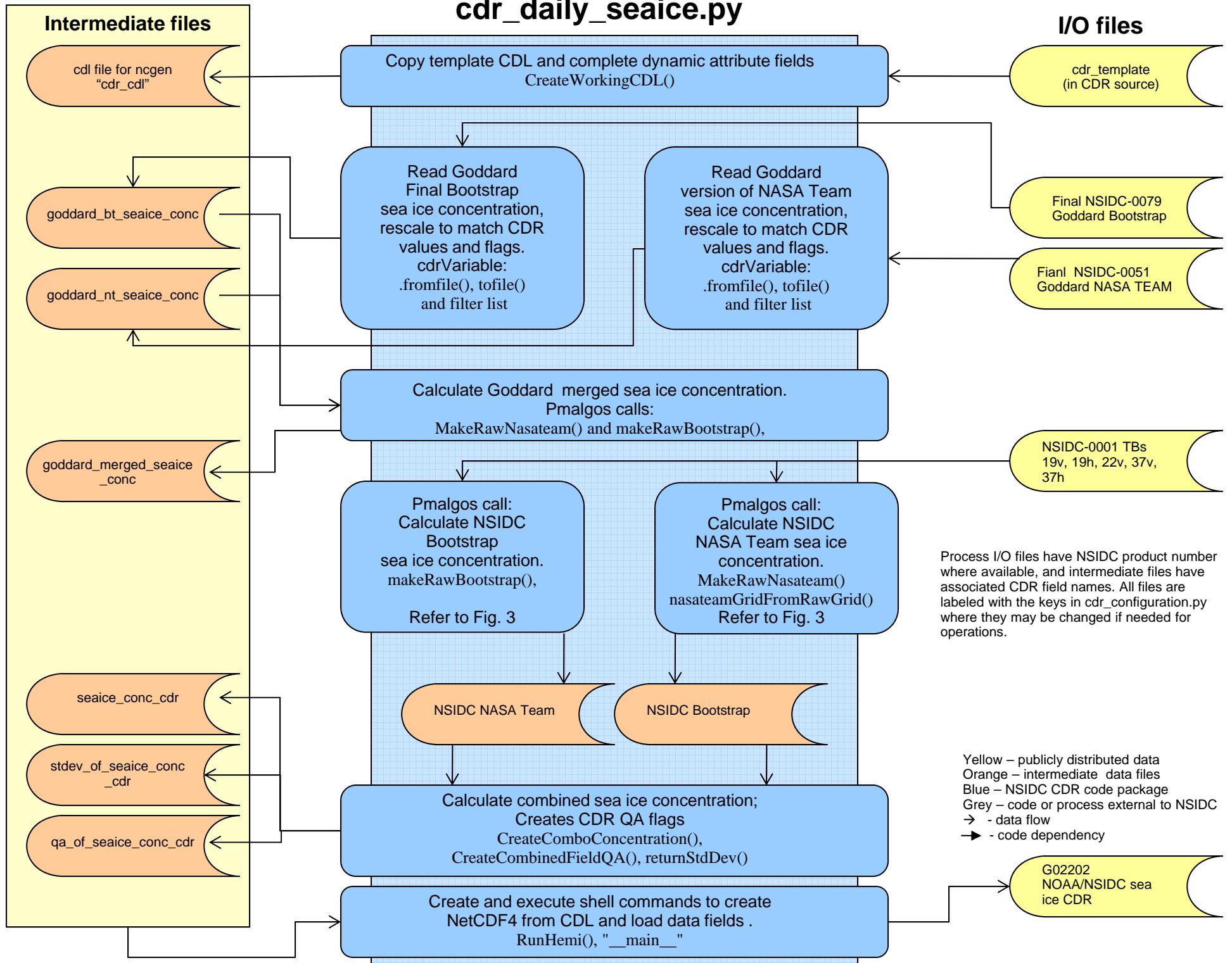


# Sea Ice Concentration CDR Processing Flowchart

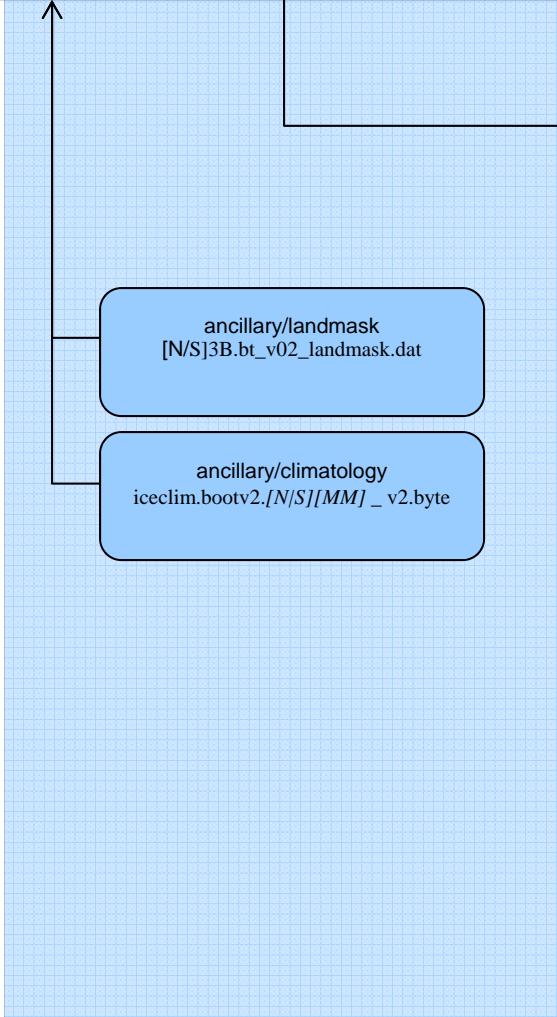
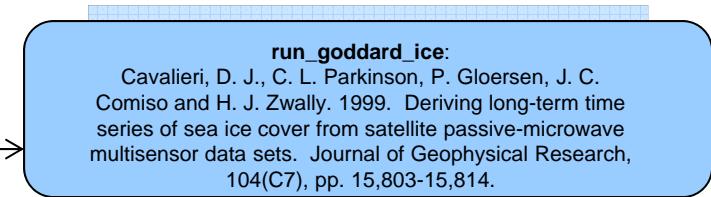
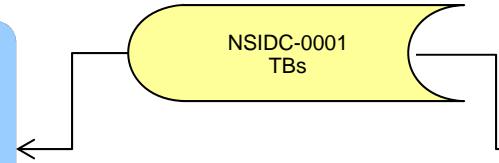
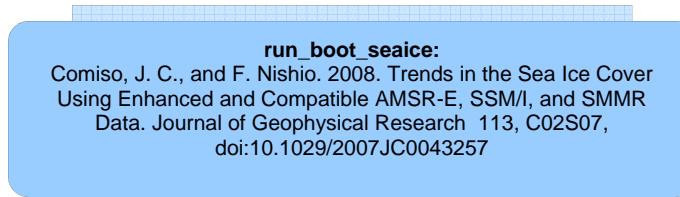


# cdr\_daily\_seaice.py



# pmalgos.c

## Bootstrap

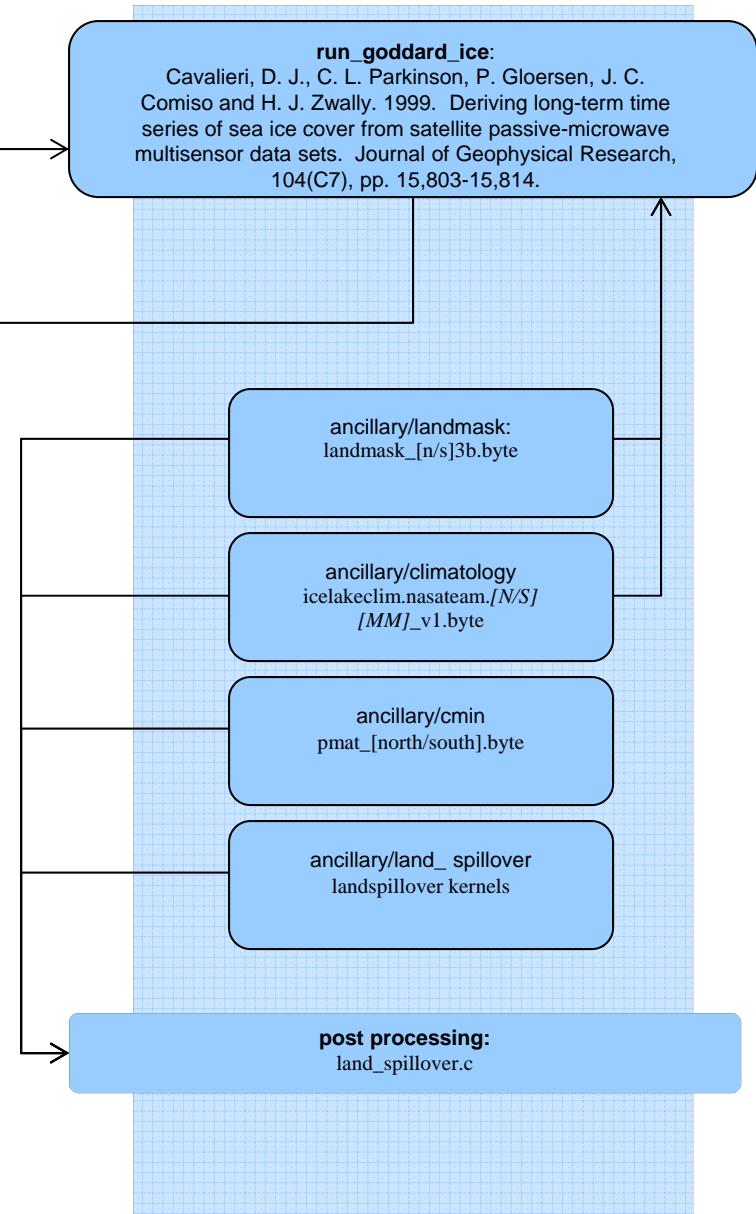


Yellow – publicly distributed data  
Orange – intermediate data files  
Blue – NSIDC CDR code package  
Grey – code or process external to NSIDC  
→ - data flow  
→ - code dependency

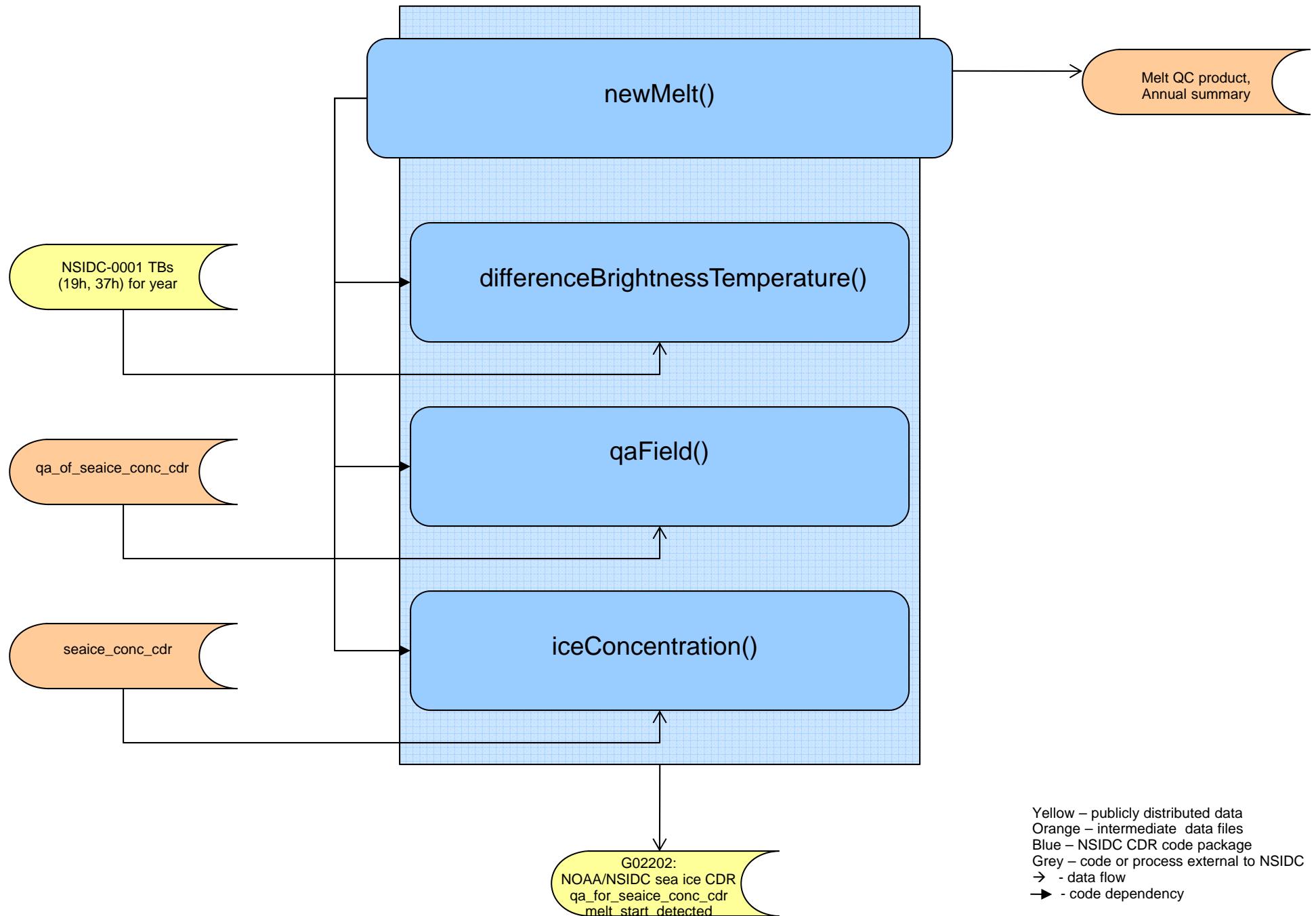
NSIDC Bootstrap

NSIDC NASA Team

## NASA Team

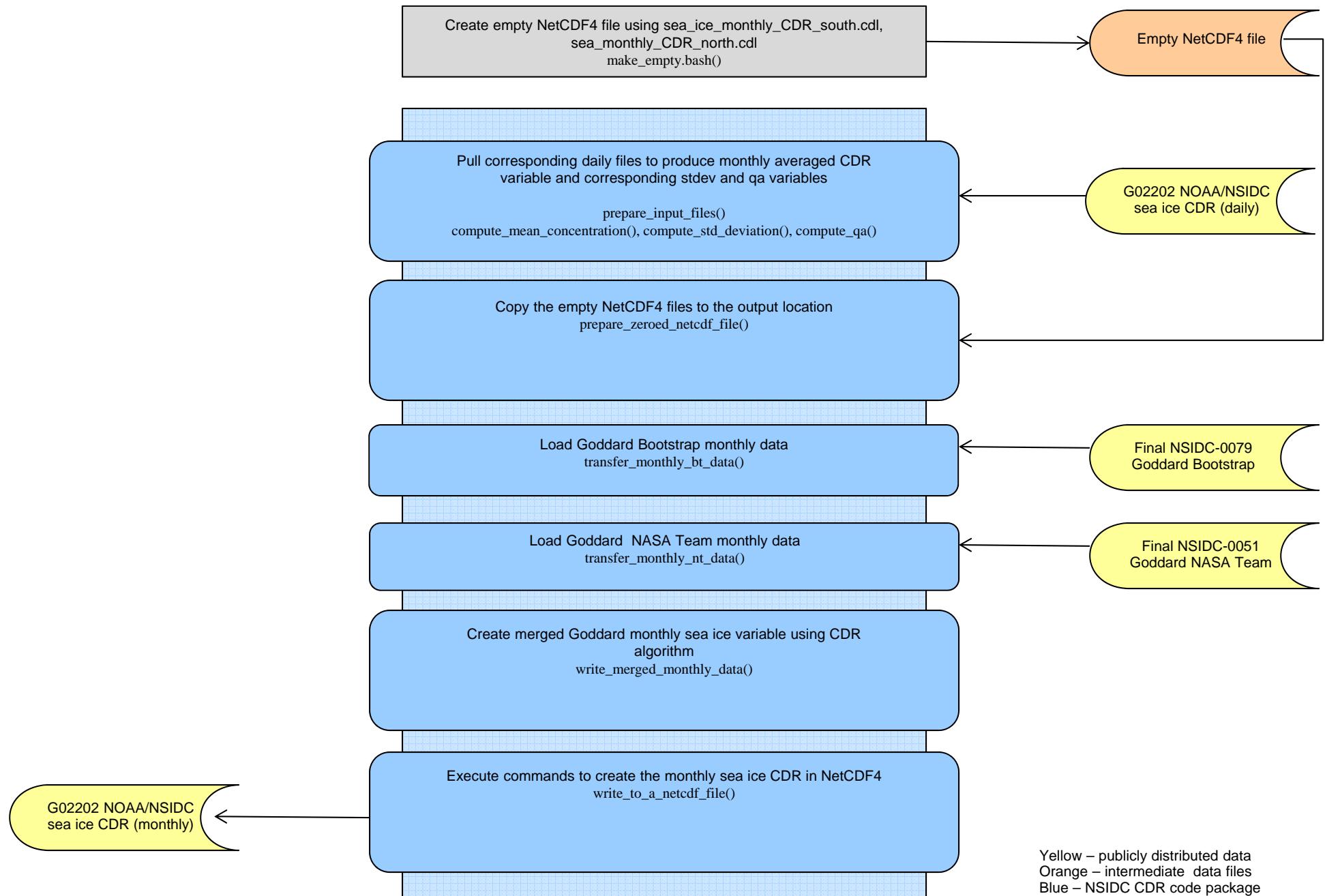


# cdr\_postprocess.py



Yellow – publicly distributed data  
Orange – intermediate data files  
Blue – NSIDC CDR code package  
Grey – code or process external to NSIDC  
→ - data flow  
→ - code dependency

# cdr\_monthly\_seaice.py



Yellow – publicly distributed data  
Orange – intermediate data files  
Blue – NSIDC CDR code package  
Grey – code or process external to NSIDC  
→ - data flow  
→ - code dependency

## **Library Requirements**

The following libraries are required to run the cdr\_daily\_seaice.py and cdr\_monthly\_seaice.py

### **Core Libraries:**

netcdf-4.2 [http://www.unidata.ucar.edu/blogs/news/entry/netcdf\\_4\\_2\\_release](http://www.unidata.ucar.edu/blogs/news/entry/netcdf_4_2_release)

hdf5 1.8.8

<http://www.hdfgroup.org/ftp/HDF5/prev-releases/hdf5-1.8.8/src/>

szip 2.1

<http://www.hdfgroup.org/ftp/lib-external/szip/2.1/src/>

### **Python Libraries:**

numpy 1.6.1

<http://sourceforge.net/projects/numpy/files/NumPy/>

netCDF4-python 0.0.9

<http://code.google.com/p/netcdf4-python/downloads/list>

unittest2 0.5.1

<http://pypi.python.org/pypi/unittest2>

**Note:** Core libraries must be installed prior to the use of netcdf4-python library.